

The figure shows the cellular expression localisation of TrkB mRNA in the dorsal root ganglion.

A: TrkB positive cells (marked with arrows) in the WT

B: TrkB positive cells in young (4 weeks old) NT4 knockout mice

C: TrkB positive cells in adult (12 weeks old) NT4 knockout mice

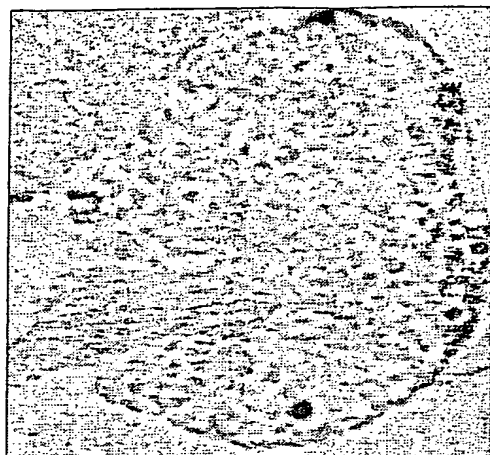
D: Quantification of the TrkB positive cells

Fig. 1

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CaV3.2 Expression

NT4 KO



NT4 Wildtype

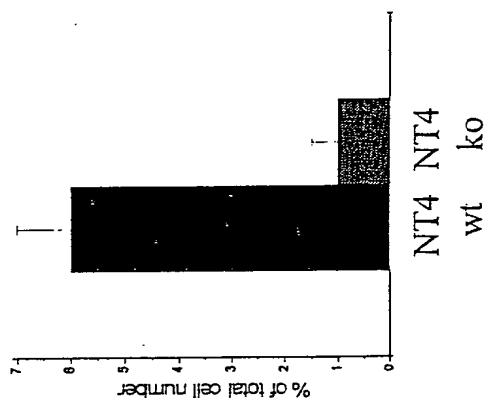
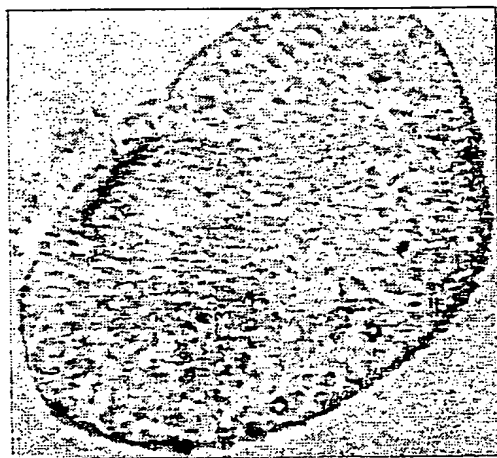
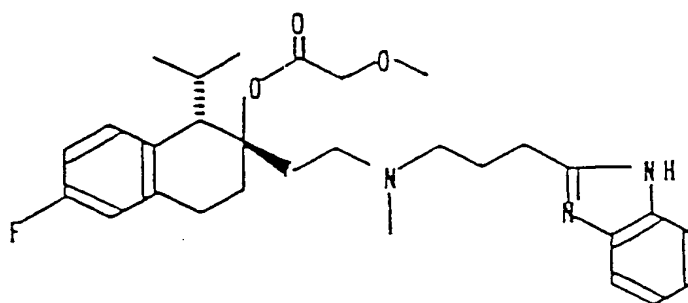


Fig. 2 The in-situ hybridization shows the cellular localization of CaV3.2 mRNA in the dorsal root ganglion. In the wildtype, CaV3.2 is expressed in approximately 6% of the cells (middle size), and in the NT4 knockout mice, the number of the CaV3.2 positive cells is reduced to approximately 1%. This is a clear indication that CaV3.2 is specifically expressed in D-hair mechanoreceptors.

3/4



(1S,2S)-2-[2-[(3-(2-Benzimidazolyl)propyl)
methylamino]ethyl]-6-fluoro-1,2,3,4-tetrahydro-
1-isopropyl-2-naphthyl methoxyacetate
dihydrochloride

Mibefradil

Fig. 3

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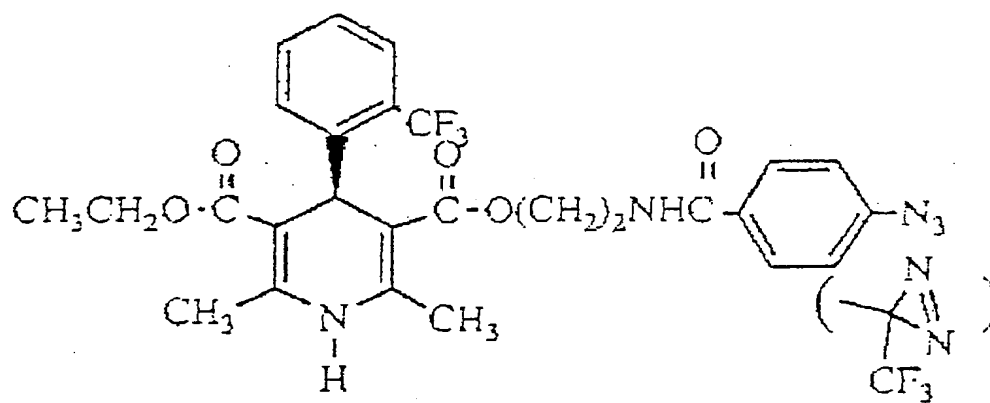
azidopine (*diazepine*)

Fig. 4